

FEB 02 1995

MONTANA STATE LIBRARY
 1515 E. 6th AVE
 HELENA, MONTANA 59620



Montana and the Sky



Department of Transportation – Aeronautics Division

Vol. 46 No. 1

January 1995

Against All Odds – Risk! America Is Worth It!

Conference to Feature Victor Belenko

Victor was born and grew up in a brutal Russian society. At a young age he was fascinated by the freedom of flying. Victor had worked his way up through the system and became one of their best fighter pilots.

To be a MIG pilot in Russia is to be as close to heaven as communism allows. His career had opened a door to possess every luxury and honor Russia can bestow. But on September 6, 1976, Victor threw it all away for one desperate chance to possess a dream ... "The American Dream."

In a top secret MIG-25 "FOXBAT" jet fighter, Victor evaded radar scanners and out-raced pursuing Russian fighters, and against all odds, made it safely to Japan by landing with just 30 seconds of fuel remaining.

The Russian government launched a relentless campaign using implied threats, emotional appeal, and every tactic at their disposal to get Victor back.



Why he escaped to become an American is an inspiring story that dramatically reaffirms the faith of every American.

Victor's daring adventure is the subject of the book *Mig Pilot* by John Barron. He was voted AMERICAN CITIZENSHIP by unanimous vote of U.S. Congress through the efforts of Senator Barry Goldwater. Vic-

tor, full time entrepreneur, wears many hats: Pilot, Consultant, Business Owner, Speaker, and Adventure Planner.

Victor will be the featured speaker at the Saturday evening banquet at the 1995 Montana Aviation Conference in Kalispell.

The Conference is scheduled for March 1-4 at the Outlaw Inn. All of Montana's aviation organizations will participate in the Conference being co-sponsored by the Montana Aeronautics Division, Montana Pilots Association, Montana Aviation Trade Association, Experimental Aircraft Association and the Montana Airport Managers Association.

tion.

Make plans now to attend the conference and listen to this courageous story.



PLEASE RETURN

Administrator's Column

Condolences to the Marshall Family:

Former Aeronautics Board member Charlie Marshall passed away November 4, 1994, in Lewistown. Charlie was the League of Cities and Towns representative as well as being the Board attorney serving from January 1977 until January 1981. Charlie was a pilot and aircraft owner and was highly respected throughout the state and among his fellow Aeronautics Board members. Charlie will be missed by his many friends throughout the state. On behalf of the Aeronautics Board and Division, I wish to extend our sincere condolences to Charlie's wife Marion and family.

U.S. DOT Reorganization Proposal:

President Clinton, Vice-President Gore, and DOT Secretary Pena have announced their new plan to restructure the DOT, HUD, and Department of Energy in order to find savings to help pay for the President's proposed middle-class tax cut. Although all of the details have not been announced it is known that ten agencies of the DOT will be consolidated into three (these have not been announced) with an anticipated savings of about \$6.7 billion over the next five years. The three agencies would be organized either around the core missions of safety and investment or around surface, aviation and maritime functions. There would be three funding categories: 1) grants allocated to transportation projects of national or regional significance; 2) AIP and other transportation grant moneys would be granted to the states through a block grant program; 3) federal seed capital would go into state infrastructure banks to provide revolving loans and grants for airport and other transportation projects. The highway and aviation user trust funds would remain separate, however, the FAA would be totally funded from the Aviation Users Trust Fund which was established to only fund airport and airway improvements. The proposal would cut the amount of AIP trust fund money needed for airports. The DOT is looking into alternative funding mechanisms for airports such as increasing the Passenger Facility Charges (PFC's). If Congress allows the diversion of our Avia-

tion User Trust Fund to be spent on things other than those for which the tax was collected it would be a "breach of promise". The trust fund now has an uncommitted balance of over \$4 billion.

Aviation Users Trust Fund May Be Saved:

Representative Bud Shuster, PA, who is the new Chairman of the House Committee on Transportation and Infrastructure has stated that he has long been a supporter of taking the trust fund out of the Federal Unified Budget and that he is seriously considering making it a top legislative priority in the new Congress. The Aircraft Owners and Pilots Association, joined by the National Business Aircraft Association and the General Aviation Manufacturers Association are proposing the creation of "an independent FAA" as well as removing the aviation users trust fund from the "unified budget". They feel that the FAA has been accountable to the whims of political appointees of the Administration in power for too long, that much of the FAA problems could be solved by a five point reform proposal presented by the AOPA (endorsed by NBAA) which includes an independent FAA.

* * * * *

Condolences to the Harry Graf Family:

Harry Graf suffered fatal injuries in the crash of a crippled Baron which he was gallantly attempting to fly back to the Great Falls Airport shortly after take-off on November 8, 1994. Harry was unable to keep the malfunctioning airplane in the air long enough to reach the runway. It is still unknown what the nature of the malfunction was but it had to have been monumental for Harry not to be able to keep it in the air as he was known to be a highly experienced and skilled professional pilot. We all knew Harry to be a quiet, mild-mannered gentleman and he will be missed by the Montana aviation community as well as his many friend and loved ones. On behalf of the Aeronautics Board and Division, I wish to extend our sincere condolences to Harry's wife and family.



Montana and the Sky
Department of Transportation
Marc Racicot, Governor
Marv Dye, Director

Official monthly publication
of the
Aeronautics Division
Telephone 444-2506
2630 Airport Road
Helena, Montana 59604
Michael D. Ferguson
Administrator

Aeronautics Board

Ron Mercer, Chairman
Byron Bayers, Member
Fred Booth, Member
Josephine Eisenzimer, Member
Joel Fenger, Member
Leland Ford, Member
Douglas Freeman, Member
Robert Hector, Member
Arnold Lindberg, Member

Montana and the Sky is published monthly
in the interest of aviation in the
State of Montana.
Third Class postage paid at
Helena, Montana 59604

Subscription: \$5 per year
Editor: Debbie Alke
Editorial Assistance:
Q Communications Group

• **ALOA Scholarship**

A Love of Aviation Scholarship (ALOA), established in 1993 by an anonymous donor due to the retirement of the Van De Riet Flight Scholarship, will again be awarded in 1995.

The \$250 scholarship is to be used to help defray costs of flight instruction and will be presented during the 1995 Montana Aviation Conference in Kalispell.

Award of the scholarship will be based

on applications in the form of a letter explaining the reasons for applying, future career goals, past aviation experience and any outstanding achievements.

Letters of application should be sent to Montana Aeronautics Division, P.O. Box 5178, Helena, MT 59604 or call Debbie Alke at 444-2506 for more information. Letters must be received no later than February 10, 1995.

99s Scholarship

The Montana Chapter of the Ninety Nines will award the fourth annual Esther Combes-Vance/Vern Vine Memorial Scholarship at the Montana Aviation Conference in Kalispell. The scholarship is to aid the financing of a female student pilot's flight training.

Applicants must be at least 16 years of age, reside in Montana and receive training in Montana.

Interested applicants must submit an essay of approximately 500 words stating the reasons for wanting to learn to fly, including

where your interest began and plans for obtaining your private pilot certificate. In addition, applicants must include plans for contributing to the growth and betterment of the Montana Ninety Nines. Other application materials are required.

For more information or to obtain an application call or write: Tina Pomeroy, 1214 W. Crawford, Livingston, MT 59047, phone 222-6826; or Gail Sanchez-Eaton, 1615 S. Black, #108, Bozeman, MT 59715, phone 586-4126.

EAA Youth Air Academy '95

Young people ages 15-17 will again have the chance to enjoy the "aviation experience of a lifetime" from July 15-31, during the annual EAA Air Academy at Oshkosh, WI.

The Air Academy, now in its 12th year, is an intensive 16-day learning experience designed especially for young people interested in aviation.

Registration for the entire three-week session is \$900. The fee includes food, lodging and convention registration in addition to the personalized instruction and materials.

The application deadline is May 1, 1995. To receive an application or obtain more in-

formation on Air Academy activities and scholarship possibilities, contact the EAA Aviation Foundation Education Department, P.O. Box 3065, Oshkosh, WI, 54903-3065; or call (414) 426-4888.

Again, this year, the Aeronautics Division will be sending the winner of the senior division of its Aviation Awareness Poster Contest to the air academy. Watch for details in the spring.



Calendar

January 7 - CAP Squadron Commander's Course, Great Falls, call 731-4735.

January 14 - AOM Board Meeting, Helena.

January 26 - Beartooth Composite Squadron Annual Awards Banquet, American Legion Club, Billings, call 238-7405.

February 4 - 5 - Flight Instructor Refresher Clinic, Helena.

February 11 - 12 - CAP SLS, CLC, CLS Courses, Billings, call 668-7785.

February 17 - 19 - Winter Survival Clinic, Helena/Lincoln.

February 25 - CAP Mission Pilot Flight Clinic, Missoula, call 543-3223.

March 1 - 4 - Montana Aviation Conference, Kalispell.

March 5 - INAC Board of Directors Meeting, Kalispell.

March 5 - 8 - Upper Midwest Aviation Symposium, Bismarck, North Dakota.

March 25 - Beartooth Composite Squadron Cadet Orientation Flights, Laurel Airport, call 238-7405.

June 24 - Plains Fly-in and Air Show, contact Randy Garrison at 826-3605.

Flight Instructor Refresher Clinic

The Montana Aeronautics Division will host its annual Flight Instructor Refresher Clinic at the Alladin Motor Inn in Helena on February 4 - 5, 1995.

Registration will be from 0700-0800 on Saturday, February 4.

The clinic will be taught by Aviation Seminars. The seminar is designed to meet the FAA requirements for recertification of flight instructors and chief flight instructors. More than 50 CFIs from around the state are expected to attend the clinic.

Application forms have been mailed to Montana flight instructors and FBOs. Instructors who have not received an application may contact the Aeronautics Division at 444-2506.

Directories Available

The new 1995 Montana Airport Directories are now at the Aeronautics Division and are ready for distribution. 2000 copies of the directory were produced, 250 more than last year since the demand for these has gone up recently. The following are just a few of the several notable changes that have taken place since last year's directory.

> A new public use airport was added to the directory, Mountain Lakes Field near Helena.

> A new NDB at Ennis was added to the list of frequencies.

> Several FSS frequencies have been added and changed.

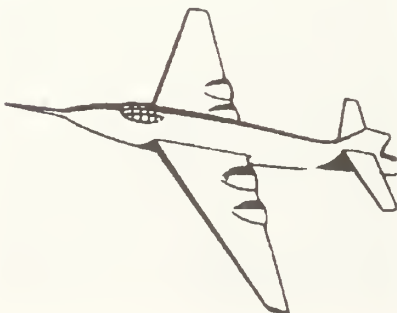
> A complete and updated list of ASOS and AWOS frequencies and telephone numbers has been added.

> Dillon, Eureka, Laurel, and Shelby all have had changes to the FBOs on field.

> Some of the airports that have new managers include Baker, Dillon, E. Poplar, Ennis, Hamilton, Livingston, Philipsburg, and Thompson Falls.

> Both Drummond and Sand Springs have undergone major runway displacements.

Remember, directories are only \$4.00 and are available here at the Division. Here's to safe and fun flying in '95.



Take A Break— Come Enjoy The Flathead!

On March 1-4, Kalispell will be the host site for the 1995 State Aviation Conference. In addition to the outstanding speakers and timely seminar sessions two out-of-state aviation organizations have chosen to hold board meetings in conjunction with the conference as well. On Saturday the Northwest Chapter of the American Association Of Airport Executives will meet and on Sunday the International Northwest Aviation Council will hold a board meeting. A chance to meet with the decision makers.

While you are in the Flathead you and/or your family should take advantage of the great skiing on The Big Mountain. There are seven chairlifts and one is free! And to

go along with that Martin Hale, one of the Whitefish area's best pilots, who is owner of the Big Mountain Ski Shop, has offered to provide **FREE rental ski equipment** to anyone registered for the Conference! His shop is right on the mountain and is open for both day and night skiing.

Also on March 4th and 5th there will be an indoor rodeo at the Carpenter Arena in Kalispell. Guided and open snowmobile tours in the Columbia Falls area are panoramic! There are Gelande Ski Jumping Championships at Big Mountain on the 4th and 5th too. The Flathead's late winter season has much to offer, both indoors and out—plan time to enjoy it.

ANNOUNCING.....



Providing excellence in flight training,
pilots supplies and aviation gifts.

2210 N. Cooke ♦ P.O. Box 5235
Helena, MT 59604 ♦ (406) 449-4416

Stop by and say "hi" to Roy Speeg and the crew at G-Force, Inc.

1995 Montana Aviation Conference — Tentative Schedule

WEDNESDAY, MARCH 1

Morning

Aerial Applicators Seminar

Afternoon

Booth Set-up
Aerial Applicators Seminar

Evening

Aerial Applicators Dinner

THURSDAY, MARCH 2

Morning

Exhibitor Meeting
Mechanics Seminar
MATA Business Meeting
Concurrent Sessions

Luncheon

Afternoon

Mechanics Seminar
MAMA Board Meeting
Concurrent Sessions
FAA Q&A Session

Evening

Dr. Jerry Cockrell

FRIDAY, MARCH 3

Morning

Mechanics Seminar
Concurrent Sessions
Education Session
MFF Business Meeting
MAMA Membership Meeting
Flying Companion Seminar

Luncheon

Held in Exhibit Area, free to registrants
Door Prizes

Afternoon

Education Session
Concurrent Sessions
Spouse/Guest Program
MAAA Business Meeting
99's Business Meeting

Evening

Hospitality Hour in Exhibit Area

SATURDAY, MARCH 4

Morning

EAA Business Meeting
Montana Seaplane Pilots Meeting
MPA Business Meeting
NWAAAE Board Meeting
Mechanics Seminar
Concurrent Sessions

Awards Luncheon

Speaker: Turner Gauntt

Afternoon

Concurrent Sessions
Aeronautics Board Q&A Session
AOM Meeting

Evening

Banquet Speaker: Victor Belenko
Entertainment: Diamond K. Wranglers

SUNDAY, MARCH 5

Morning

International Northwest Aviation Council
(INAC) Board Meeting

The exhibit area will open Thursday morning, March 2 at 10 am and will be open at various times during the Conference through Saturday afternoon. All coffee breaks and Friday's lunch and hospitality hour will be held in the exhibit area.

MONTANA AVIATION CONFERENCE REGISTRATION MARCH 1-4, 1995

PLEASE TYPE OR PRINT

MAIL TO: Montana Aviation Conference
P.O. Box 5178, Helena, MT 59604

NAME(S) OF PARTICIPANT(S) (for name tags) _____

ADDRESS _____ PHONE _____

YOUR ORGANIZATION AFFILIATION:

(choose one only for name tag)

MPA _____ MATA _____
MFF _____ MAMA _____
99S _____ MAAA _____
EAA _____ AMAA _____
CAP _____ Other _____

PLEASE MAKE THE FOLLOWING RESERVATIONS

NOTE: Meal tickets must be purchased 24 hours in advance.

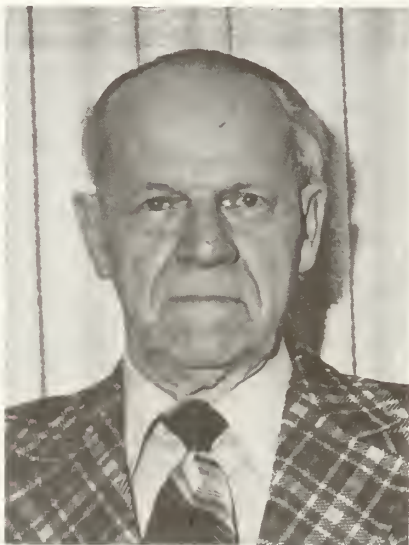
ENCLOSED

MAKE CHECKS PAYABLE TO:
MONTANA AVIATION CONFERENCE

Reg. Fee _____ @ \$30/person \$ _____
_____ @ \$40/family \$ _____
*Thurs. Luncheon _____ @ \$9 \$ _____
Fri. Luncheon _____ @ FREE \$ _____
Sat. Luncheon _____ @ \$10 \$ _____
Sat. Banquet _____ @ \$21 \$ _____

*RESERVATIONS MUST BE MADE PRIOR TO CONFERENCE FOR THURSDAY LUNCHEON. REFUNDS MUST BE REQUESTED BY MARCH 17, 1995—NO EXCEPTIONS. FOR MORE INFORMATION CALL (406) 444-2506

Former Board Member Passes On



Charles E. Marshall, 84, former Fergus County Attorney, died November 4, 1994.

Marshall was born October 30, 1910, in Lewistown. In 1928 he graduated from Fergus High School. He attended National University in Washington, D.C., and law school at Georgetown University.

He served in the Marine Corps and the Navy during World War II. In 1936 he married Marion M. MacDonald in Washington, D.C.

They returned to Lewistown and he had a law practice here for many years. Marshall served in elective office as Fergus County Attorney from 1957 to 1961.

Marshall served on the Montana Aeronautics Board from 1977-1981, representing the League of Cities and Towns and was also the attorney on the Board. He was a member of the Montana Pilots Association and VFW.

Surviving are his wife of Lewistown; a sister Lillian McCrosky of Madera Beach, FL, and three grandchildren. He was preceded in death by a daughter, Meredith Marshall.

Aircraft Technology and Operations

General Aviation

By: Frederick O. Smetana

(Reprinted with permission of Aerospace America)

On August 17 President Clinton signed the General Aviation Revitalization Act, which limits the liability of general aviation manufacturers to 18 years after a product is placed into service. The industry will no longer be liable for damages resulting from use of general aviation craft built before WWII. As a result, manufacturers who had built many such aircraft are now reexamining the numbers to determine whether it is once again economically feasible to manufacture single-engine aircraft, whose production ceased several years ago because of the high cost of product liability insurance.

Several new aircraft have been type certified, among them the Advanced Aerodynamics and Structures Jetcruzer, a canard configuration aircraft, part carbon composite and part aluminum, with a gross weight of 4,500 lb and a cruising speed of 302 mph. Another, the Mooney Ovation, is a four-place craft with a 190-kt cruising speed and a gross weight of 3,368 lb. The Quicksilver GT 500 sportplane has a 65-hp engine, 1,000-lb gross weight, 70-kt cruising speed, and accommodations for two. Slightly larger is Dimona Aircraft's Katana, a two-place, 81-hp craft with a cruising speed of 199 kt and a useful load of 520 lb. Two new craft are European imports: the Zlin and the Polish-built Koliber II Model 150A. The former seats two, has a gross weight of 2,400 lb, and cruises at 113 kt. The latter seats four, has a gross weight of 1,874 lb, and cruises at 105 kt.

Cirrus Design rolled out mockups of two innovative transportation aircraft, the SR-20, a four-passenger piston single, and the ST-50, a five-passenger pressurized single-turbine pusher. Both incorporate laminar flow aerodynamics, advanced intuitive displays technologies, crashwor-

thiness concepts, and composite manufacturing. They are slated for certification in 1996. Piper, operating in Chapter 11, delivered 68 piston-powered aircraft, more than any other manufacturer during the first half of this year. Design studies by William F. Chana Associates for an 11-seat tilt-wing craft indicate that such a craft can be produced at a price competitive with current corporate aircraft. Honda and Mississippi State University are cooperating in building the MH-02 aircraft.

Smaller vendors are making their greatest impact in avionics. GPS navigation has arrived, along with new displays and better communications.

An eight-year, \$63 million government-industry-academia nonprofit project, the Advanced General Aviation Transport Experiments, was launched this year. The program focuses on single-pilot, light, all-weather transportation aircraft. Its objectives involve cockpit displays and controls using advanced software and systems; advanced materials to lower cost and improve crash-worthiness; composite materials design and manufacturing technologies for quiet, low-cost propellers; low-cost nondestructive testing; simpler propulsion controls and sensors for reduced emissions; icing protection systems; improving safety through systems design, expert systems, and advanced training systems; reducing requirements for ground controller voice communications for point-to-point navigation; situational awareness technologies; establishing requirement for preferred, affordable datalink modes; and low-cost restraint systems and structural design to reduce injuries by reducing occupant loads during accidents.

In 1993 the number of general aviation accidents and fatalities was the lowest since record keeping began. As funds for major defense and space initiatives wane, there is evidence that university researchers see improvement of general aviation safety via reduced pilot workload as a fertile field in which to apply advances in automatic control theory, control hardware, and displays.

CHANGE AT HELENA AIRPORT

It is my pleasure to announce a change of the "Guard" at Morrison Flying Service. Effective January 1, 1995, I have sold my interest in the FBO portion of Morrison Flying Service to John Maxness and Dan Norhton.

John and Dan have been actively involved in General Aviation in Montana for several years and are already known to many in Montana aviation. They have extensive experience in aviation and should prove to be a very successful team. They

will bring fresh ideas and new enthusiasm to Helena aviation. The new company will be known as: EXEC AIR MONTANA.

Please give them the generous support which you have given us for the past 64 years. I shall remain in business on a very limited basis—hangar rental and aircraft sales so I will still be quite active.

THANK YOU for all the wonderful friendships and great associations we have had and will continue to have in the future.

—Jeff Morrison

MORE HISTORY

Morrison Flying Service is the oldest Fixed Base Operator in Montana and equals the age of any in the Northwest states. It was founded by Red Morrison in 1931. Prior to moving to Helena, Red Morrison was a pilot for William Randolph Hearst. Red Morrison was instrumental in getting the Helena Airport certified and served as airport manager for a period of years. He served as a Montana State Representative and as a Montana State Senator. During World War II, he was an instructor pilot in the B-26 bomber. He was killed on Christmas Eve in 1942.

Bitty Morrison/Herrin took over the business after her husband's death. Bitty Herrin served on many aviation committees and boards, including secretary of the Montana Pilots Association, executive secretary of the Montana Aviation Trades Association, regional vice president of the National Aviation Trades Association, and on the board of directors of the International Northwest Aviation Council.

Morrison Flying Service trained many

pilots during and after the war under the CPT and GI bill programs. More than 100 of their pilots have become commercial airline captains, including Jack Waddell, former chief test pilot for the Boeing 747.

Jeff Morrison has managed the Flying Service for many years and has not only been very active in aviation but has contributed significantly to education in Helena and throughout the state. He served for many years on the state Board of Regents, including serving as chairman; received the Governor's Citation for contributions to education; and was a member of the Helena School Board.

The Aeronautics Division congratulates the Morrisons on many successful years of providing services to the aviation community and thanks them for their support over the years.

The Division also wishes John Maxness and Dan Norhton best of luck in their new venture and looks forward to doing business with EXEC AIR MONTANA.

New Board Members Appointed

The Governor has just released, at press time, two appointments to the Montana Aeronautics Board. The following were appointed to serve on the board:

> **Joann Eisenzimer** – aviation education representative from Cascade

> **Arnold Lindberg** – fixed-base operator representative from Cut Bank

Bob Hector, commercial airline representative and Lee Ford, public member were both reappointed to four-year terms. Ron Mercer continues to serve as Chairman of the Board.

More information on the new additions to the Board will be in next month's issue of *Montana and the Sky*.

More Administrator's

Alert - Theft - Alert: We just received word that Jim Damron's hangar at the Columbus Airport was broken into sometime between December 29 and January 6. A professional thief or thieves carefully and skillfully removed the Cleveland double puck brakes and wheel assemblies from Jim's Piper PA-18 "Stillwater Express." The airplane was left on axle blocks. The only other items stolen were his two softcom headsets. Jim states the thief knew exactly how to properly lift the airplane and remove the wheel and brake assemblies. If anyone has any information on this theft or any other similar theft please report it to the Stillwater Sheriff at (406)322-5326 or the Aeronautics Division.

FAA Issues Certificates

Private

Martha G. Hendrickson Libby

Instrument

James J. Gill Great Falls

Glider Tow

Arthur M. Burch, Jr. Kalispell

CFI Renew

Dennis Skovgaard Billings
Stephen L. Smith Billings

New Videos Available

The Aeronautics Division has the following new additions to its film library:

> 21st Century Jet & 777: First Flight. Both offer an inside look at the Innovative Production of the Boeing 777

> Project Air Bear – An introduction for teachers to Air Bear

> Exploring the World of Aviation with Air Bear – children's video

> Dreams of Flight – Vol I, II and III, from the Air and Space Smithsonian.

Call the Division at 444-2506 to reserve a video or to obtain a complete listing of the library's inventory.

The Department of Transportation attempts to provide reasonable accommodations for any known disability that may interfere with a person from participating in any service, program or activity of the Department. Alternative accessible formats of this document will be provided upon request. For further information, call 406- 444-2506 or TDD 406-444-7696.

Thirty-two hundred copies of this public document were produced at an estimated cost of 37¢ each, for a total cost of \$1,210. This includes \$60 for production, \$526 for postage and \$624 for printing.



January 1995

PO Box 5178
Helena, Montana 59604

Bulk Rate
Postage Paid at
Helena, MT 59620
Permit No. 141